

## Features:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.90
- 3 pole AC inlet IEC320-C6
- Class power (with earth pin)
- No load power consumption<0.75W@240VAC
- Protections: Short circuit / Overload / Over voltage
- LED indicator for power on
- Fully enclosed plastic case
- Approvals: UL / CUL / TUV / BSMI / CB / CE / FCC
- 1 year warranty

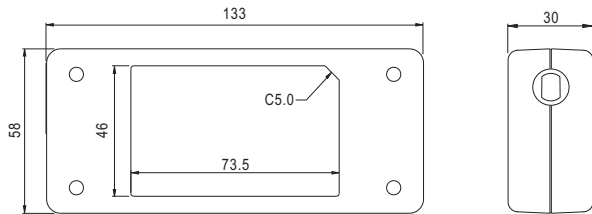
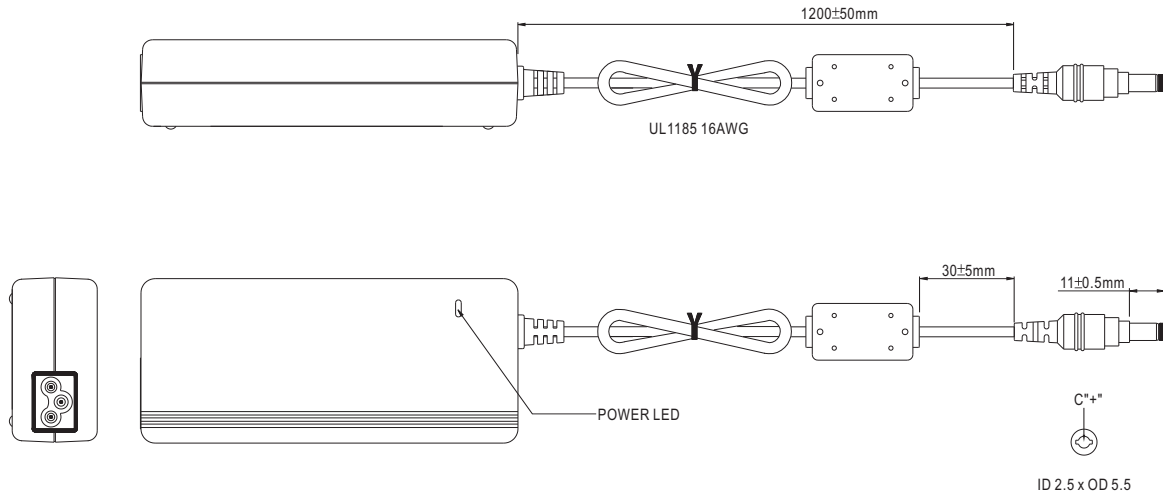


ORDER NO.	FM90C12-P1M	FM90C19-P1M	FM90C24-P1M	
OUTPUT	SAFETY MODEL NO.	F10903-C	F10903-A	
	DC VOLTAGE <small>Note.2</small>	12V	19V	24V
	RATED CURRENT	6.60A	4.75A	3.75A
	CURRENT RANGE	0~6.60A	0~4.75A	0~3.75A
	RATED POWER	80W	90W	90W
	RIPPLE & NOISE (max.) <small>Note.3</small>	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0%	±3.0%	±3.0%
	LINE REGULATION <small>Note.5</small>	±1.0%	±1.0%	±1.0%
LOAD REGULATION <small>Note.6</small>	±4.0%	±2.0%	±2.0%	
SETUP, RISE, HOLD TIME	300ms, 50ms, 10ms at full load			
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR	PF ≥ 0.90/230VAC		
	EFFICIENCY (Typ.)	80%	80%	82%
	AC CURRENT	1.3A/100VAC		
	INRUSH CURRENT (max.)	100A/240VAC		
LEAKAGE CURRENT (max.)	0.75mA / 240VAC			
PROTECTION	OVER LOAD	110 ~ 150% rated output voltage Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	110 ~ 150% rated output voltage Protection type : Clamp by zener diode		
ENVIRONMENT	WORKING TEMP.	0 ~ + 50 °C (Refer to output load derating curve)		
	WORKING HUMIDITY	20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20 ~ +85 °C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50 °C)		
VIBRATION	10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC <small>(Note. 7)</small>	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336 Approved		
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVDC; I/P-FG: 1.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG: 100M ohms/500VDC/25 °C/70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B, FCC part 15 class B, CNS13438 class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2,3		
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A			
OTHERS	MTBF	30K hrs min. MIL-HDBK-217F (25 °C)		
	DIMENSION	133*58*30mm (L*W*H)		
	PACKING	406g; 32pcs/14.5Kg/CARTON		
CONNECTOR	PLUG	Standard type P1M: 2.5φ * 5.5φ * 11mm, tuning folk type center positive for stock ; Other type available by customer requested		
	CABLE	Standard type UL1185, 16awg*4fts for stock ; Other type available by customer requested		
NOTE	<p>1.All parameters are specified at 230VAC input, rated load, 25 °C 70% RH. Ambient.</p> <p>2.DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</p> <p>3.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</p> <p>4.Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>5.Line regulation is measured from low line to high line at rated load.</p> <p>6.Load regulation is measured from 0% to 100% rated load.</p> <p>7.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>			

- 90 Watts
- External / Desktop
- 5.23 x 2.28 x 1.18"

### Mechanical Specification

Unit:mm

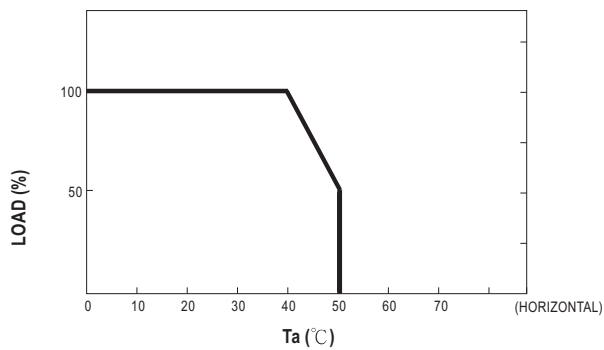


### Plug Assignment

Standard plug: P1M (option)

P1M	
P/N	OUTPUT
CENTER	+

### Derating Curve



### Static Characteristics

